Notice of Allowability	Application No.	Applicant(s)	
	09/772,918	AMAKU ET AL.	
	Examiner	Art Unit	
	Merilyn P. Nguyen	2163	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *02/13/2008 and 02/27/2008*.

2. ☒ The allowed claim(s) is/are *1-3, 8,9 and 13 and now renumbered as 1-6*.

3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☒ All b) ☐ Some* c) ☐ None of the:
      1. ☒ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. ____.
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DON WONG
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

DETAILED ACTION

1. In response to the communication dated 02/13/2008, claims 1-3, 8, 9, and 13 are active in this application as the result of the cancellation of claims 4-7, 10-12 and 14-15 and in the condition for allowance.

Examiner's Amendment

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Applicant's representative, J. Randall Beckers, Reg. No. 30,358 on February 27, 2008.

The application has been amended as follows:

1. (currently amended): A recording system, comprising:

a generation device generating process information ~~for~~ indicating a content of a process in a specific system; and

a recording device ~~for~~ recording the process information of the specific system generated by the generating device, the process information of the specific system recorded in a shared storage medium that is shared by a plurality of systems including the specific system and is commonly searched by the plurality of systems and that collectively stores a plurality of pieces of process information of the plurality of systems, in a format ~~such~~ that a process information of the entire system comprising the plurality of systems is collectively managed by the shared storage

medium and a process history of the plurality of systems can be tracked without requiring access to the specific system, each system of a plurality of systems comprising a processor, a memory, an external storage and a separate operating system.

2. (previously presented) A recording system, comprising:

a generation device generating process information ~~for~~ indicating a content of a process in a specific system; and

a recording device ~~for~~ recording the process information of the specific system generated by the generating device, the process information of the specific system recorded in a shared storage medium that is shared by a plurality of systems including the specific system and is commonly accessed by the plurality of systems and that collectively stores a plurality of pieces of process information of the plurality of systems, in a format ~~such~~ that a process history of the plurality of systems can be tracked, each system of a plurality of systems comprising a processor, a memory, and an external storage, and ~~wherein when~~ the shared storage medium stores output identification information related to an output content of a preceding process before a current process in the specific system, said generation device generates service identification information of the current process, obtains the output identification information of the preceding process from the shared storage medium, generates input identification information related to an input content of the current process, generates output identification information related to an output content of the current process by concatenating the input identification information and the service identification information into the output identification information and generates the process information of the specific system by relating the service identification information, the

input identification information, the output identification information and a content of the current process to each other.

4-7 (Cancelled)

8. (currently amended) A computer-readable storage medium on which is recorded a program for enabling a computer to execute operations, said operations comprising:

generating process information ~~for~~ indicating a content of a process in a specific system; and

recording the process information of the specific system in a shared storage medium that is shared by a plurality of systems including the specific system and is commonly searched by the plurality of systems and that collectively stores a plurality of pieces of process information of the plurality of systems, in a format ~~such~~ that a process information of the entire system comprising the plurality of systems is collectively managed by the shared storage medium and a process history of the plurality of systems can be tracked without requiring access to the specific system, each system of a plurality of systems comprising a processor, a memory, an external storage and a separate operating system.

9. (currently amended) A recording system, comprising:

generation means for generating process information for indicating a content of a process in a specific system; and

recording means for recording the process information of the specific system generated by the

generating device, the process information of the specific system recorded in a shared storage medium that is shared by a plurality of systems including the specific system and is commonly searched by the plurality of systems and that collectively stores a plurality of pieces of process information of the plurality of systems, in a format ~~where~~ that a process information of the entire system comprising the plurality of systems is collectively managed by the shared storage medium and a process history of the plurality of systems can be tracked without requiring access to the specific system, each system of a plurality of systems comprising a processor, a memory, an external storage and a separate operating system.

10-11 (cancelled)

13. (currently amended) A recording method, comprising:

generating process information ~~for~~ indicating a content of a process in a specific system; and recording the process information of the specific system in a shared storage medium that is shared by a plurality of systems including the specific system and is commonly searched by the plurality of systems and that collectively stores a plurality of pieces of process information of the plurality of systems, in a format ~~such~~ that a process information of the entire system comprising the plurality of systems is collectively managed by the shared storage medium and a process history of the plurality of systems can be tracked without requiring access to the specific system, each system of a plurality of systems comprising a processor, a memory, an external storage and a separate operating system.

14-15 (cancelled)

Allowable subject matter

3. The following is an examiner's statement of reason for allowance:

None of the references of record (Enko, US 6,078,944) teaches or suggests the claimed (Claims 1, 8, 9 and 13) invention having or comprising, in addition to the other limitations of the claims, the limitation of the process information of the specific system recorded in a shared storage medium (Shared memory 140, Fig. 1) that is shared by a plurality of systems including the specific system and is commonly searched by the plurality of systems and that collectively stores a plurality of pieces of process information of the plurality of systems, in a format that a process information of the entire system comprising the plurality of systems is collectively managed by the shared storage medium and a process history of the plurality of systems can be tracked without requiring access to the specific system, each system of a plurality of systems comprising a processor, a memory, an external storage, and a separate operating system.

None of the references of record (Enko, US 6,078,944) teaches or suggests the claimed (Claims 2 and 3) invention having or comprising, in addition to the other limitations of the claims, the limitation of the shared storage medium stores output identification information related to an output content of a preceding process before a current process in the specific system, said generation device generates service identification information of the current process, obtains the output identification information of the preceding process from the shared

storage medium, generates input identification information related to an input content of the current process, generates output identification information related to an output content of the current process by concatenating the input identification information and the service identification information into the output identification information and generates the process information of the specific system by relating the service identification information, the input identification information, the output identification information and a content of the current process to each other.

Dependent claims are allowable because they depend from base claim.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Conclusion

5. A shortened statutory period for response to this action is set to expire 3 (three) months and 0 (zero) day from the day of this letter. Failure to respond within the period for response will cause the application to become abandoned (see M.P.E.P 710.02(b)).

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Tanaka US Patent No. 6,298,355 discloses computer system.

Nakayama US Patent No. 6,339,774 discloses information sharing system and computer program product for causing computer to support the information sharing system.

Anand Sivasubramaniam discloses " reducing the communication overhead of dynamic applications on shared memory multiprocessors", (1997).

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Merilyn P Nguyen whose telephone number is 571-272-4026. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on 571-272-1834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197.

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